

Data Visualization in R

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```
library(RCurl)
library(plyr)
library(ggplot2)
library(randomcoloR)
library(lubridate)

##
## Attaching package: 'lubridate'

## The following objects are masked from 'package:base':
##
##      date, intersect, setdiff, union

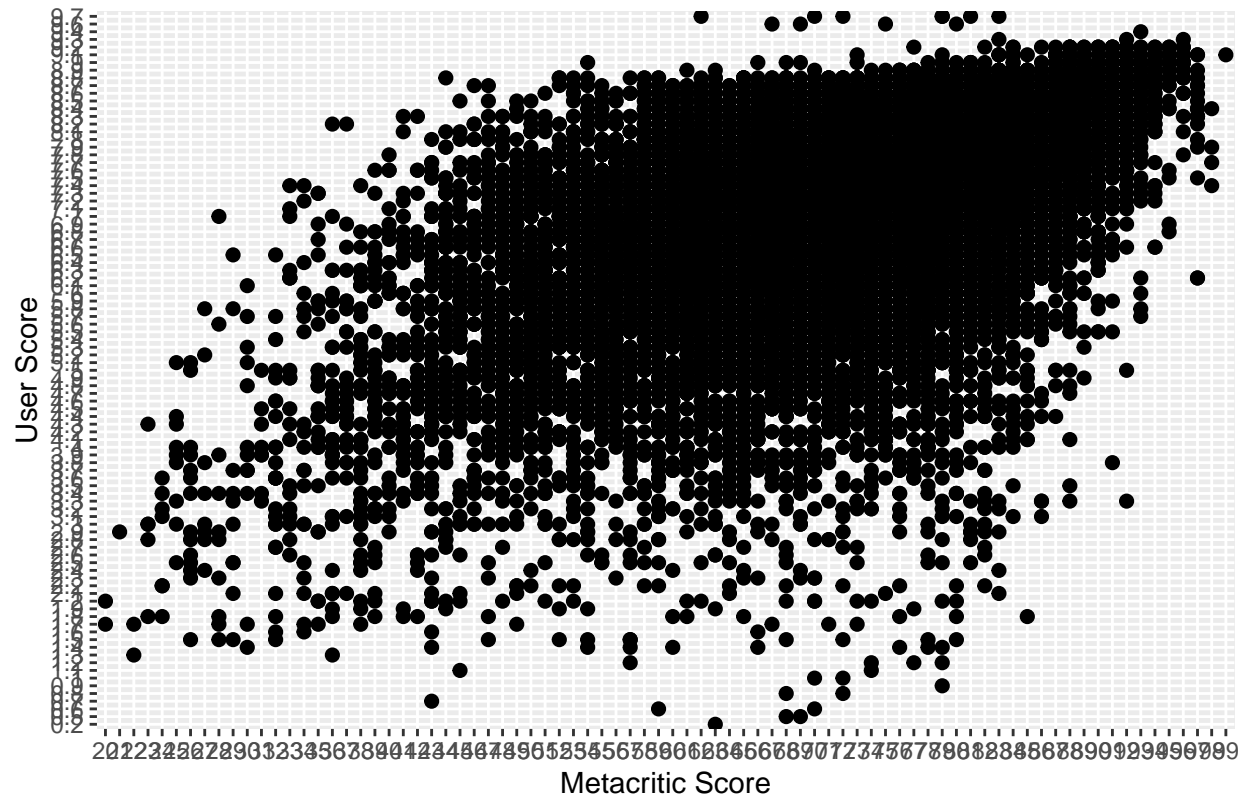
dataUrl <- getURL("https://raw.githubusercontent.com/vyom-devgan/Data-Visualization/main/all_games.csv")
games <- read.csv(text = dataUrl)
games <- games[, -4]

games2 <- subset(games, user_review != "tbd")
games2 <- transform(games2, user_review = as.numeric(user_review))

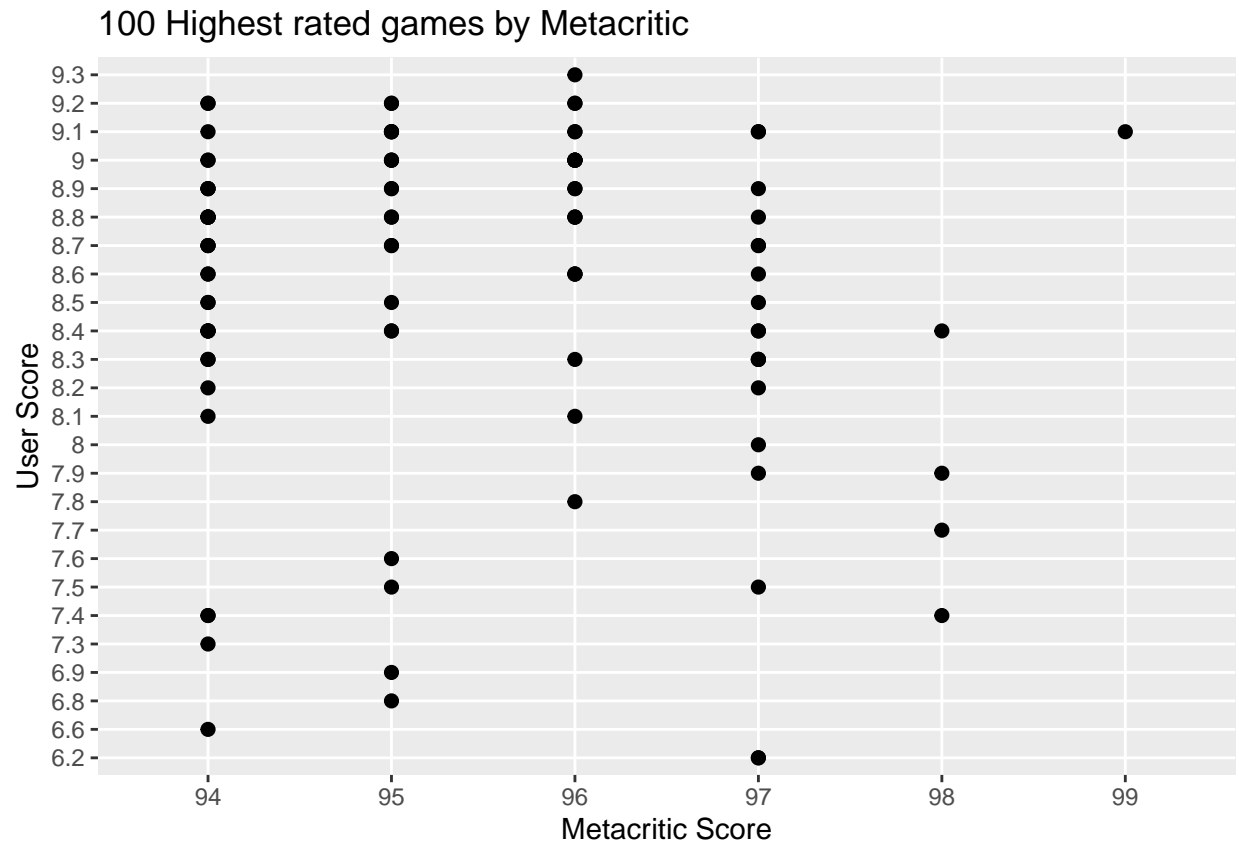
top100 <- games2[1:100,]
bot100 <- tail(games2, n = 100)

ggplot(games2, aes(x = factor(meta_score), y = factor(user_review))) +
  geom_point(size=2) + ggtitle("All rated games by Metacritic") + xlab("Metacritic Score") + ylab("User
```

All rated games by Metacritic

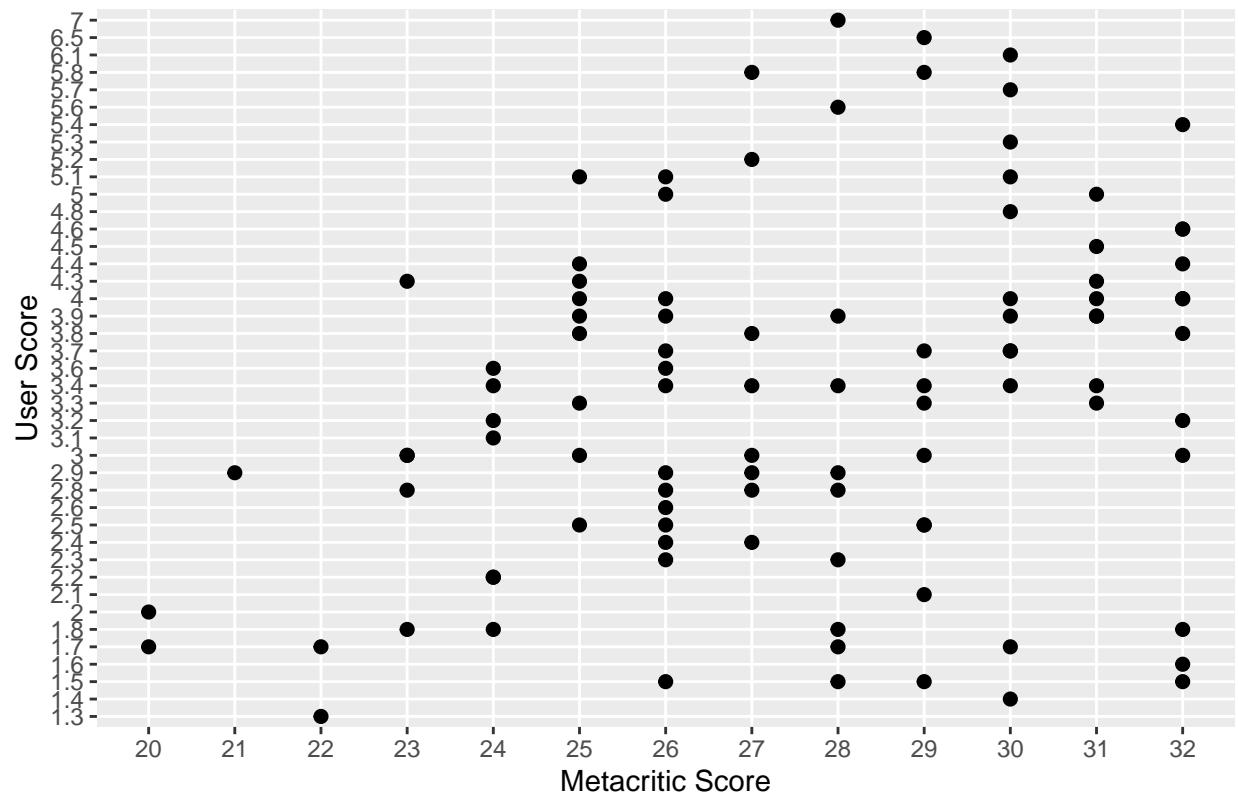


```
ggplot(top100, aes(x = factor(meta_score), y = factor(user_review))) +
  geom_point(size=2) + ggtitle("100 Highest rated games by Metacritic") + xlab("Metacritic Score") + ylab("User Score")
```



```
ggplot(bot100, aes(x = factor(meta_score), y = factor(user_review))) +
  geom_point(size=2) + ggtitle("100 Lowest rated games by Metacritic") + xlab("Metacritic Score") + ylab("User Score")
```

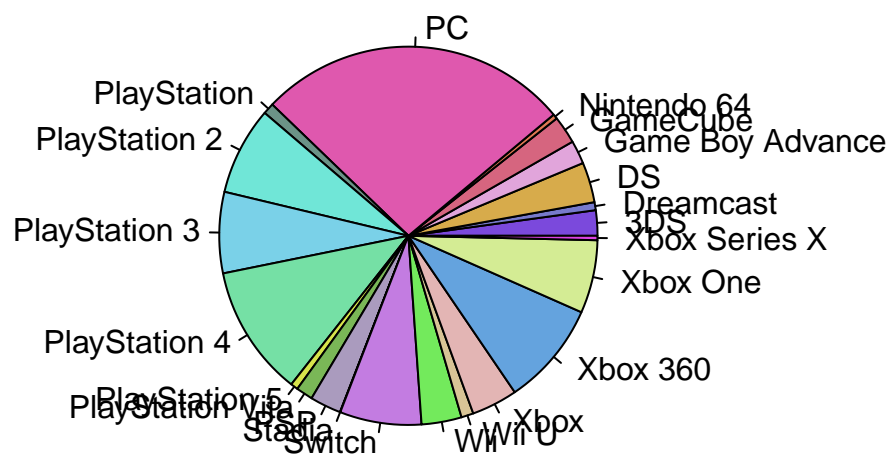
100 Lowest rated games by Metacritic



```
counts <- count(games2, 'platform')
```

```
palette <- distinctColorPalette(23)
pie(counts$freq, labels = counts$platform, main = "Platform Distribution", col = palette)
```

Platform Distribution



```
games2$release_date <- year(mdy(games2$release_date))
```

```
xx <- table(games2$release_date)
barplot(xx, main = "Release Year vs Game Released", xlab = "Year of Release", border = "#32cd32", col =
```

Release Year vs Game Released

